WHAT IS CLAIMED IS:

1		1. A	device for monitoring moisture in an absorbent fiber, the device			
2	comprising:					
3		a sen	sor device coupled to the absorbent fiber, the sensor device for			
4	detecting a de	ng a designated moisture level; and				
5		an al	ert device coupled to the sensor device, the alert device for notifying			
6	a user that the	at the designated moisture level has been detected.				
1		2.	The device of claim 1 wherein the sensor device and the alert			
2	device are fo	evice are formed in a microchip.				
1		3.	The device of claim 1 further comprising			
2		at lea	ast one amplifier coupled to the sensor device, the amplifier for			
3	amplifying a sensor signal received from the sensor device.					
1		4.	The device of claim 1 further comprising			
2		at lea	ast one power source coupled to the sensor device and the alert device.			
1		5.	The device of claim 1 further comprising			
2		at lea	ast one processor coupled to the amplifier and a monitor device.			
1		6.	The device of claim 1 further comprising			
2		an ei	ncased cylinder,			
3		wherein a first portion of the absorbent fiber is located within the encased				
4	cylinder, and a second portion is located outside the encased cylinder.					
1		7.	The device of claim 1 wherein the absorbent fiber is included in ar			
2	article of clo	thing.				
1		8.	The device of claim 1 wherein the absorbent fiber is included in a			
2	diaper.					
1		9.	The device of claim 1 wherein the absorbent fiber is included in a			
2	tampon.					

I	10. The device of claim 1 wherein the absorbent moci is included in a			
2	smart bandage.			
1	11. The device of claim 1 wherein the sensor device sends a signal to			
2	the alert device upon sensing the designated moisture level.			
1	12. A moisture monitoring system, comprising:			
2	an absorbent fiber;			
3	a sensor device, coupled to the absorbent fiber, the sensor device for			
4	detecting moisture absorbed by the absorbent fiber;			
5	an alert device, coupled to the sensor device, for receiving a signal from			
6	the sensor device when the sensor device detects a specified moisture level in the			
7	absorbent fiber;			
8	at least one amplifier coupled to the sensor device, the amplifier for			
9	increasing a level of the signal; and			
10	at least one power source coupled the sensor and to the alert device.			
1	13. The moisture monitoring system of claim 12 further comprising			
2	at least one processor coupled to the amplifier and the alert device.			
1	14. The moisture monitoring system of claim 12 wherein the absorben			
2	fiber is woven into an article of clothing.			
1	15. The moisture monitoring system of claim 12 wherein the absorben			
2	fiber is woven into a diaper.			
1	16. The moisture monitoring system of claim 12 wherein the absorben			
2	fiber is included in a tampon.			
1	17. The moisture monitoring system of claim 12 wherein the absorben			
2	fiber is included in a smart bandage.			
1	18. A method of monitoring moisture levels, the method comprising:			
2	providing an absorbent fiber for absorbing moisture;			
3	detecting when the absorbent fiber absorbs a designated moisture level:			

4		respor	sive thereof, alerting a user that the designated moisture level has		
5	been detected.				
1		19.	The method of claim 18 wherein the absorbent fiber is included in		
2	a smart banda	ge.			
1		20.	The method of claim 18 wherein the absorbent fiber is included in		
2	an article of c				
1		21.	A moisture monitoring device, comprising:		
2		a capi	llary material having a hollow interior;		
3		a material inside the hollow interior, wherein the material is affected in a			
4	detectable wa	detectable way by presence of a liquid; and			
5	a sensor for detecting said effect of the liquid on the material.		or for detecting said effect of the liquid on the material.		
1		22.	The moisture monitoring device of claim 21 wherein the material is		
2	capable of emitting a gas when the liquid is detected.				
1		23.	The monitoring device of claim 21 wherein the material is capable		
2	of changing it	of changing its color when the liquid is detected.			
1		24.	A method of detecting target molecules of a liquid or gas, the		
2	method comp	rising:			
3		provid	ding a capillary fiber;		
4		provid	ding receptor molecules coupled to a surface of said capillary fiber;		
5		absorl	bing target molecules of the liquid or gas to provide a target/receptor		
6	molecule combination; and				
7		using	a chemical or physical property of the target/receptor molecule		
8	combination to change a physical property of the capillary fiber, to detect presence of the				
9	target molecu	les.			
1		25.	A method of detecting liquid, the method comprising:		
2		provi	ding a capillary material;		
3		using	the capillary material to absorb the liquid;		
4		detec	ting a change in material characteristic while the liquid is absorbed		
5	by the capillary material; and				
6		gener	rating a signal in response to said change in characteristic.		

ì		26.	The method of claim 25 wherein the material characteristic is size.	
1		27.	The method of claim 25 wherein the material characteristic is	
2	color.			
		20	The state of the state of the sectorial above to sixting in	
1	1	28.	The method of claim 25 wherein the material characteristic is	
2	conductivity.			
1		29.	The method of claim 25 wherein the material characteristic is	
2	capacitance.			
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1	. 1.	30.	The method of claim 25 wherein the material characteristic is	
2	weight.	21	A CA CONTRACTOR Action Commissions	
1		31.	A moisture monitoring device, comprising:	
2		a base		
3			n flexibly attached to the base;	
4		-	lary material disposed between the arm and the base, wherein the	
5	capillary mate	erial is capable of expanding upon detecting a liquid, to push the arm away		
6	from the base	, to gen	erate a signal responsive thereof.	
1		32.	The device of claim 31 further comprising:	
2		a first	conductor coupled to the base and a meter; and	
3		a seco	nd conductor coupled to the arm and the meter, wherein signals can	
4	be propagated	opagated through the first conductor and the second conductor to the meter.		
1	-	33.	A method of detecting liquid, the method comprising:	
2		provid	ling a capillary fiber;	
3		impregnating a material unto the surface of the capillary fiber; and		
4		detecting a change in the material when the material is contacted by the		
5	liquid.		•	
1		34.	The method of claim 33 wherein the change is from solid to liquid.	
1		35.	The method of claim 33 wherein the change is a color change.	
1		36.	A method of detecting liquid, the method comprising:	

2		detecting a change in size when the liquid is absorbed by a capillary
3	material; and	
4		generating a signal responsive to said change in size of the capillary
5	material	